

# Mathematical Biosciences

an international journal

Volume 140

BENITO HERNÁNDEZ-BERMEJO AND VÍCTOR FAIRÉN (Madrid, Spain)	
Lotka-Volterra Representation of General Nonlinear Systems . . . . .	1
ROBERT HECHT, ROBERT HAPPEL, PETER SCHUSTER, AND PETER F. STADLER (Vienna, Austria)	
Autocatalytic Networks with Intermediates I: Irreversible Reactions . . . . .	33
BOOK REVIEW	
NIKOLAOS D. KATOPODES (Ann Arbor, Michigan)	
Modelling Change in Environmental Systems (A. J. Jakeman, M. B. Beck, and M. J. McAleer [Eds.]) . . . . .	75
HÅKAN ANDERSSON (Stockholm, Sweden)	
Epidemics in a Population with Social Structures . . . . .	79
RAFAEL BOGGIO RONCEROS AND OSCAR SORARRAIN (La Plata, Argentina), AND JUAN C. SALERNO AND EWALD A. FAVRET (Castelar, Argentina)	
Theoretical Analysis of Lethal Factors in Plant Populations . . . . .	85
J. RADCLIFFE AND L. RASS (London, England)	
Discrete Time Spatial Models Arising in Genetics, Evolutionary Game Theory, and Branching Processes . . . . .	101
B. CAZELLES AND N. P. CHAU (Paris, France)	
Using the Kalman Filter and Dynamic Models to Assess the Changing HIV/AIDS Epidemic . . . . .	131
ANNOUNCEMENT	
VOLUME CONTENTS	